

**Navy Advancement Center**

Web site: <http://www.advancement.cnet.navy.mil>

---

# **Advancement Handbook for Machinist's Mate (Auxiliary)(Submarine)**

**(For advancement exams designated as  
MME)**

**This Advancement Handbook was last revised in: October 1998.**

## PREFACE

The purpose of this Advancement Handbook is to help you prepare for Navywide Machinist's Mate (Auxiliary) (Submarine) advancement-in-rating examinations. It is divided into four major "parts" and one appendix. The four "parts" list the general skills areas on which you may be tested and the specific topics on which the test questions may be based. The appendix lists the publications from which the test questions may be drawn. By using the information in this handbook and the bibliography for the exam you will be taking, you can concentrate your studying on the areas that may be tested and can get the most out of your limited study time.

Keep in mind that the four "parts" are cumulative; that is, you are responsible for the skills assigned to the paygrade you are testing for, as well as the skills assigned to your present paygrade and all paygrades below. If you are tested on skills and knowledges from lower paygrades, it will be at the level of the paygrade for which you are testing. For example, if the topic is "hydrostatic test", an MM3 candidate might be asked questions about how to perform the test, an MM2 candidate might be asked about the requirements for the test, an MM1 candidate might be asked about how to document the test, and an MMC candidate might be asked about how to write the test procedure.

As you prepare for the exam, remember that the exam is designed to test your knowledge of your profession. You gain professional knowledge by doing your job, completing your qualifications cards, and studying the references associated with your rating. The best way you can prepare for an advancement exam is to:

1. Learn as much as you can about your job. Complete as many of your qualification cards as you can. Know as much about the construction and operation of your equipment as you can. Continually ask questions. Find out not only what happens, but why it happens and what to do if it doesn't happen as expected. Make this a continuing process.

2. As soon as the bibliography for the exam you plan to take is available, get a copy and start reviewing the references listed on it. Don't try to memorize the information the references contain. Use that information to "sharpen" the knowledge and skills you already have.

Finally, remember that advancement competition is keen, so your keys to advancement include not only comprehensive advancement examination study but also sustained superior performance.

Prepared by

Naval Education and Training Professional  
Development and Technology Center

## **CONTENTS**

<b>PARTS</b>		<b>PAGE</b>
1	Advancement Handbook for MME3.....	1-1
2	Advancement Handbook for MME2.....	2-1
3	Advancement Handbook for MME1.....	3-1
4	Advancement Handbook for MMEC.....	4-1
Appendix 1 References Used in This Advancement Handbook		A-1

## Part 1

### Advancement Handbook for MME3

# ADVANCEMENT HANDBOOK FOR MME3

GENERAL SKILLS AREA	EXAM EXPECTATIONS
<b>Mechanical Systems Operation</b>	
<ul style="list-style-type: none"> <li>• Operate auxiliary equipment and systems</li> <li>• Perform log keeping on operating equipment and systems</li> </ul>	<ul style="list-style-type: none"> <li>• Equipment operating parameters</li> <li>• Theory of equipment operation</li> <li>• Equipment construction including valves and piping</li> <li>• Equipment operating instructions and procedures</li> <li>• Equipment component terminology</li> <li>• Basic machine theory</li> <li>• Fluid power theory</li> </ul>
<b>Mechanical Maintenance</b>	
Perform preventive and corrective maintenance on auxiliary equipment and systems	<ul style="list-style-type: none"> <li>• Equipment construction</li> <li>• Equipment repair procedures</li> <li>• 3-M worker procedures</li> </ul>
Demonstrate proper tool usage	<ul style="list-style-type: none"> <li>• Tool usage and safety precautions</li> </ul>
Participate in tagout programs	<ul style="list-style-type: none"> <li>• Tagout procedures</li> </ul>
<b>Quality Assurance</b>	
<ul style="list-style-type: none"> <li>• Document work on QA forms</li> <li>• Observe QA procedures and QA forms requirements</li> </ul>	<ul style="list-style-type: none"> <li>• QA procedures</li> <li>• QA forms</li> </ul>
<b>Technical Administration</b>	
Prepare lube oil and water reports	<ul style="list-style-type: none"> <li>• Procedures to fill out lube oil and water reports</li> </ul>

# ADVANCEMENT HANDBOOK FOR MME3

<b>GENERAL SKILLS AREA</b>	<b>EXAM EXPECTATIONS</b>
Use ship's drawings and drawing index	<ul style="list-style-type: none"><li>• Ship's drawing index</li></ul>
Draw system diagrams	<ul style="list-style-type: none"><li>• System symbols used in drawings</li></ul>
<b>Material Casualties/Damage Control</b>	
<ul style="list-style-type: none"><li>• Operate damage control equipment</li><li>• Maintain damage control equipment</li></ul>	<ul style="list-style-type: none"><li>• Operating procedures for damage control equipment</li><li>• Damage control equipment construction and nomenclature</li><li>• Casualty procedures</li></ul>

## Part 2

### Advancement Handbook for MME2



# ADVANCEMENT HANDBOOK FOR MME2

GENERAL SKILLS AREA	EXAM EXPECTATIONS
<b>Mechanical Maintenance</b>	
<ul style="list-style-type: none"> <li>• Inspect and replace auxiliary system components and auxiliary equipment</li> <li>• Adjust auxiliary equipment and systems</li> </ul>	<ul style="list-style-type: none"> <li>• Auxiliary equipment construction</li> <li>• Auxiliary system construction</li> <li>• Blueprint reading</li> <li>• 3-M procedures</li> </ul>
Test auxiliary equipment and auxiliary system components.	<ul style="list-style-type: none"> <li>• Auxiliary equipment and system test parameters</li> <li>• QA procedures</li> </ul>
Troubleshoot auxiliary equipment and systems	<ul style="list-style-type: none"> <li>• Troubleshooting procedures/tables</li> </ul>
<b>Quality Assurance</b>	
<ul style="list-style-type: none"> <li>• Prepare QA forms</li> <li>• Prepare control work packages</li> <li>• Prepare formal work packages</li> <li>• Submit Departure from Specifications reports</li> <li>• Conduct acceptance inspections on controlled material.</li> </ul>	<ul style="list-style-type: none"> <li>• QA forms contents and preparation procedures</li> <li>• Control/Formal work package contents and preparation procedures</li> <li>• Departure from Specifications package contents and preparation procedures</li> <li>• Acceptance inspection requirements and procedures.</li> </ul>
<b>Technical Administration</b>	
<ul style="list-style-type: none"> <li>• Submit deferred and completed 2-Kilos</li> <li>• Submit configuration change requests</li> </ul>	<ul style="list-style-type: none"> <li>• 3-M procedures</li> <li>• Supply procedures</li> </ul>

## ADVANCEMENT HANDBOOK FOR MME2

<b>GENERAL SKILLS AREA</b>	<b>EXAM EXPECTATIONS</b>
Maintain divisional logs/ records	<ul style="list-style-type: none"><li>• Weight test records</li><li>• Divisional logs</li><li>• Divisional records</li><li>• Calibration records</li><li>• Diesel Records</li></ul>
Submit supply requisitions	<ul style="list-style-type: none"><li>• Supply procedures</li></ul>
Verify the accuracy of system diagrams and drawings	<ul style="list-style-type: none"><li>• Requirements and procedures for verifying the accuracy of system diagrams and drawings</li></ul>

## Part 3

### Advancement Handbook for MME1

# ADVANCEMENT HANDBOOK FOR MME1

GENERAL SKILLS AREAS	EXAM EXPECTATIONS
<b>Mechanical Maintenance</b>	
<ul style="list-style-type: none"> <li>• Supervise preventive maintenance on auxiliary equipment and systems</li> <li>• Supervise corrective maintenance on auxiliary equipment and systems</li> </ul>	<ul style="list-style-type: none"> <li>• 3-M procedures</li> <li>• QA procedures</li> </ul>
Troubleshoot auxiliary equipment and systems	<ul style="list-style-type: none"> <li>• Troubleshooting procedures/tables</li> </ul>
<b>Quality Assurance</b>	
Prepare QA reports	<ul style="list-style-type: none"> <li>• QA inspection requirements and procedures</li> </ul>
Prepare control work packages	<ul style="list-style-type: none"> <li>• Control work package contents and preparation procedures</li> </ul>
Prepare formal work packages	<ul style="list-style-type: none"> <li>• Formal work package contents and preparation procedures</li> </ul>
Submit Departure from Specifications packages	<ul style="list-style-type: none"> <li>• Departure from Specifications package contents and preparation procedures</li> </ul>
Conduct acceptance inspections on controlled material.	<ul style="list-style-type: none"> <li>• Acceptance inspection requirements and procedures</li> </ul>

# ADVANCEMENT HANDBOOK FOR MME1

GENERAL SKILLS AREA	EXAM EXPECTATIONS
<b>Technical Administration</b>	
Prepare PMS schedules	<ul style="list-style-type: none"> <li>Requirements for development of and use of PMS schedules</li> </ul>
Submit deferred and completed 2-Kilos	<ul style="list-style-type: none"> <li>Requirements for and contents of 2-Kilos</li> </ul>
Maintain divisional logs and records	<ul style="list-style-type: none"> <li>Weight test records</li> <li>Divisional logs</li> <li>Divisional records</li> <li>Calibration records</li> <li>Diesel Records</li> </ul>
Prepare and submit configuration change requests	<ul style="list-style-type: none"> <li>Procedures to complete configuration change requests</li> </ul>
Verify the accuracy of system diagrams and drawings	<ul style="list-style-type: none"> <li>Requirements and procedures for verifying the accuracy of system diagrams and drawings</li> </ul>
Submit supply requisitions	<ul style="list-style-type: none"> <li>Supply procedures</li> </ul>
<b>Material Casualties/Damage Control</b>	
Supervise damage control teams	<ul style="list-style-type: none"> <li>Ships damage control procedures</li> </ul>

## Part 4

### Advancement Handbook for MMEC

# ADVANCEMENT HANDBOOK FOR MMEC

GENERAL SKILLS AREA	EXAM EXPECTATIONS
<b>Mechanical Maintenance</b>	
<ul style="list-style-type: none"> <li>• Coordinate preventive maintenance on auxiliary equipment and systems</li> <li>• Coordinate corrective maintenance on auxiliary equipment and systems</li> </ul>	<ul style="list-style-type: none"> <li>• 3-M procedures</li> <li>• QA procedures</li> <li>• Refit procedures</li> </ul>
Troubleshoot auxiliary equipment and systems	<ul style="list-style-type: none"> <li>• Troubleshooting procedures/tables</li> </ul>
<b>Quality Assurance</b>	
Review QA reports	<ul style="list-style-type: none"> <li>• QA inspection requirements and procedures</li> </ul>
Review control work packages	<ul style="list-style-type: none"> <li>• Control work package contents and preparation procedures</li> </ul>
Review formal work packages	<ul style="list-style-type: none"> <li>• Formal work package contents and preparation procedures</li> </ul>
Review Departure from Specifications packages	<ul style="list-style-type: none"> <li>• Departure from Specifications package contents and preparation procedures</li> </ul>
Review acceptance inspections on controlled material.	<ul style="list-style-type: none"> <li>• Acceptance inspection requirements and procedures.</li> </ul>

# ADVANCEMENT HANDBOOK FOR MMEC

<b>Technical Administration</b>	
Review 3-M cycle, quarterly, weekly schedules	<ul style="list-style-type: none"> <li>• 3-M schedule preparation/review requirements</li> </ul>
Review deferred and completed 2-Kilos	<ul style="list-style-type: none"> <li>• Requirements for and contents of 2-Kilos</li> </ul>
Review configuration change requests	<ul style="list-style-type: none"> <li>• Requirements for and contents of Configuration Change Requests</li> </ul>
Coordinate SHIPALT accomplishment	<ul style="list-style-type: none"> <li>• SHIPALT accomplishment and documentation procedures</li> </ul>
Review divisional logs and records	<ul style="list-style-type: none"> <li>• Weight test records</li> <li>• Divisional logs</li> <li>• Divisional records</li> <li>• Calibration records</li> <li>• Diesel records</li> <li>• Flex hose records</li> </ul>
Review supply requisitions	<ul style="list-style-type: none"> <li>• Supply procedures</li> </ul>
Prepare CASREPs	<ul style="list-style-type: none"> <li>• CASREP procedures</li> </ul>
<b>Material Casualties/Damage Control</b>	
Supervise damage control parties	<ul style="list-style-type: none"> <li>• Damage control procedures</li> </ul>



# Appendix 1

## References Used in This Advancement Handbook

The references are divided into five groups. The first group pertains to paygrades E-4 through E-7. The remaining four groups pertain to individual paygrades, as indicated on the lists.

**Keep in mind that the ONLY publications you need to study in preparing for a specific exam are the publications listed on the exam specific-bibliography for that exam.**

### MME3 through MMEC

Short Title	Long Title	Stocking Point
CINCLANT/PAC FLT 4790.3 VOL IV	Joint Fleet Maintenance Manual; Tests, Inspections, and Special Application Maintenance Programs; CINCLANT/PACFLT 4790.3 Vol IV	Note 1
CINCLANT/PAC FLT 4790.3 VOL V	Joint Fleet Maintenance Manual; Quality Maintenance (formerly Quality Assurance); CINCLANT/PACFLT 4790.3 Vol V	Note 1
SSORM (SSBN)	Standard Submarine Organization and Regulations Manual (SSBN); COMSUBLANT/PAC 5400.38	Note 10
SSORM (SSN)	Standard Submarine Organization and Regulations Manual (SSN); COMSUBLANT/PAC 5400.39	Note 10
COMSUBLANT/PAC 8120.2	Submarine Force Nuclear Weapons Manual; COMSUBLANT/PAC 8120.2	Note 2
EE110-KV-OMP-010/W110	Antenna Transfer Assembly AN/BRA-24; EE110-KV-OMP-010/W110	Note 1
MFG PUB KNC 3558-39-1	King Nutronics 3558 Pressure-Vacuum Chamber; MFG PUB KNC 3558-39-1	Note 6
MIL-STD-1330D(SH)	Standard Practice for Precision Cleaning and Testing of Shipboard Oxygen, Helium-Oxygen, Nitrogen, and Hydrogen Systems; MIL-STD-1330D(SH)	Note 3
MIP 6554/015-67 MRC S-4	Washer Extractor PMS, MIP 6554/015-67 MRC S-4	Note 4
MIP 6554/015-67 MRC W-13	Washer Extractor PMS; MIP 6554/015-67 MRC W-13	Note 4

MIP NM-024/016-87	Diesel Engine PMS; MIP NM-024/016-87	Note 4
NAVAIR 17-35-MTL-1	Metrology Requirements List; NAVAIR 17-35-MTL-1	Note 5
NAVICPINST 4355.5	Level 1/SUBSAFE (L1/SS) Stock Program Material Procedures; NAVICPINST 4355.5	Note 5
NAVSEA 0901-LP-340-0001	Commissary Equipment, NSTM, Chapter 9340; NAVSEA 0901-LP-340-0001	Note 5
NAVSEA 0934-LP-112-5010	Soft Serve Ice Cream Dispenser Model 710; NAVSEA 0934-LP-112-5010	Note 5
NAVSEA 0938-LP-044-2010	Ballast Blowing and Ventilation Compressor Type LAH-SP-AVP; NAVSEA 0938-LP-044-2010	Note 5
NAVSEA 0947-LP-200-6010	Composite Delaval Pumps (Hydraulic Transfer Service Pump (U) Type C2ETA-118); NAVSEA 0947-LP-200-6010	Note 5
NAVSEA 0948-LP-012-5000	Standard Navy Valves; NAVSEA 0948-LP-012-5000	Note 12
NAVSEA 0948-LP-116-5010	Pressure Reducing Manifold Assembly Model S1E1033; NAVSEA 0948-LP-116-5010	Note 5
NAVSEA 0994-LP-013-6010	U.S. Navy Oil Containment and Clean Up Kit; NAVSEA 0994-LP-013-6010	Note 5
NAVSEA S0005-AA-GYD-030	Guide for User Maintenance of NAVSEA Technical Manuals; NAVSEA S0005-AA-GYD-030	Note 5
NAVSEA S0752-AA-SPN-010	Ship Configuration and Logistic Support Information System (SCLSIS); NAVSEA S0752-AA-SPN-010	Note 5
NAVSEA S6151-AP-MMA-010	Meat Thaw Refrigerator Model SS5P-SCTHAW; NAVSEA S6151-AP-MMA-010	Note 5
NAVSEA S6151-BE-MMA-010	Trash Compactor; NAVSEA S6151-BE-MMA-010	Note 5
NAVSEA S6152-BC-MMA-010	Hoyt Submarine Washer Extractor; NAVSEA S6152-BC-MMA-010	Note 5
NAVSEA S6161-DN-FSE-010	Flaker Dispenser Icemaker Model FD 550W SS and Model FD 550A SS; NAVSEA S6161-DN-FSE-010	Note 5
NAVSEA S6161-EZ-FSE-010	Under-Counter Refrigerator Models R-6 (Modified) and R-6E; NAVSEA S6161-EZ-FSE-010	Note 11
NAVSEA S6220-AN-MMA-010	Low-Pressure Air Compressor MD-663C; NAVSEA S6220-AN-MMA-010	Note 5
NAVSEA S6220-AT-MMA-010	High-Pressure Air Compressor 13NL45; NAVSEA S6220-AT-MMA-010	Note 5

NAVSEA S6220-CX-MMO010	Air Compressor, High-Pressure 13.5 CFM, 4500 PSI; Description, Operation, and Maintenance; NAVSEA S6220-CX-MMO010	Note 5
NAVSEA S6220-DM-MMA-010	Refrigeration Plant Equipment Maintenance Manual; NAVSEA S6220-DM-MMA-010	Note 5
NAVSEA S6225-AP-MMI-010	Description and Repair of Centrifugal Pumps; NAVSEA S6225-AP-MMI-010	Note 5
NAVSEA S6430-AE-TED-010	Technical Directive for Piping Devices, Flexible Hose Assemblies, Vol 1; NAVSEA S6430-AE-TED-010	Note 5
NAVSEA S6430-AE-TED-020	Technical Directive for Piping Devices, Flexible Hose Assemblies, Vol 2; NAVSEA S6430-AE-TED-020	Note 5
NAVSEA S9086-C4-STM-000	Trials, NSTM, CHAPTER 094; NAVSEA S9086-C4-STM-000	Note 5
NAVSEA S9086-CH-STM-030	Gas-Free Engineering, NSTM, VOL 3, Chapter 074; NAVSEA S9086-CH-STM-030	Note 5
NAVSEA S9086-CJ-STM-010	Fasteners, NSTM, Chapter 075; NAVSEA S9086-CJ-STM-010	Note 5
NAVSEA S9086-CL-STM-030	Personnel Protection Equipment, NSTM, Chapter 077; NAVSEA S9086-CL-STM-030	Note 5
NAVSEA S9086-CM-STM-010	Seals, NSTM, Chapter 078; NAVSEA S9086-CM-STM-010	Note 5
NAVSEA SL9086-CN-STM-030	Damage Control Engineering Casualty Control, NSTM, VOL 3, Chapter 079; NAVSEA SL9086-CN-STM-030	Note 5
NAVSEA S9086-CZ-STM-000	Inspections, Tests, Records and Reports, NSTM, Chapter 090; NAVSEA S9086-CZ-STM-000	Note 5
NAVSEA S9086-CN-STM-010	Damage Control-Practical Damage Control, NSTM, Vol 2, Chapter 079; NAVSEA S9086-CN-STM-010	Note 5
NAVSEA S9086-GX-STM-030	Corrosion and Contamination Control for Diesel Engines, NSTM, Vol3, Chapter 220; NAVSEA S9086-GX-STM-030	Note 5
NAVSEA S9086-H7-STM-010	Lubricating Oils, Greases, and Hydraulic Fluids and Lubrication Systems, NSTM, Chapter 262; NAVSEA S9086-H7-STM-010	Note 5
NAVSEA S9086-HB-STM-010	Diesel Engines, NSTM, Chapter 233; NAVSEA S9086-HB-STM-010	Note 5
NAVSEA S9086-HY-STM-010	Condensers, Heat Exchangers and Air Ejectors, NSTM, Chapter 254; NAVSEA S9086-HY-STM-010	Note 5

NAVSEA S9086-RH-STM-010	Pumps, NSTM, Chapter 503; NAVSEA S9086-RH-STM-010	Note 5
NAVSEA S9086-RJ-STM-000	Pressure, Temperature and Other Mechanical and Electromechanical Measuring Instruments, NSTM, Chapter 504; NAVSEA S9086-RJ-STM-000	Note 5
NAVSEA S9086-RK-STM-010	Piping Systems, NSTM, Chapter 505; NAVSEA S9086-RK-STM-010	Note 5
NAVSEA S9086-RQ-STM-010	Heating, Ventilating, and Air Conditioning for Surface Ships, NSTM, Chapter 510; NAVSEA S9086-RQ-STM-010	Note 5
NAVSEA S9086-RW-STM-010	Refrigeration Systems, NSTM, Chapter 516; NAVSEA S9086-RW-STM-010	Note 5
NAVSEA S9086-S3-STM-020	Submarine Firefighting , NSTM, Vol 2, Chapter 555; NAVSEA S9086-S3-STM-020	Note 5
NAVSEA S9086-S4-STM-010	Hydraulic Equipment (Power Transmission and Control ) NSTM, Chapter 556; NAVSEA S9086-S4-STM-010	Note 5
NAVSEA S9086-S9-STM-000	Submarine Steering and Diving Systems, NSTM, Chapter 561; NAVSEA S9086-S9-STM-000	Note 5
NAVSEA S9086-SC-STM-010	Desalination Low-Pressure Distilling Plants, NSTM, Vol 1, Chapter 531; NAVSEA S9086-SC-STM-010	Note 5
NAVSEA S9086-SE-STM-010	Potable Water Systems, NSTM, Chapter 533; NAVSEA S9086-SE-STM-010	Note 5
NAVSEA S9086-SX-STM-010	Industrial Gases; Generating, Handling and Storage, NSTM, Chapter 550; NAVSEA S9086-SX-STM-010	Note 5
NAVSEA S9086-SY-STM-010	Compressed Air Plants and Systems, NSTM, Chapter 551; NAVSEA S9086-SY-STM-010	Note 5
NAVSEA S9086-T8-STM-010	Pollution Control, NSTM, Chapter 593; NAVSEA S9086-T8-STM-010	Note 5
NAVSEA S9086-TL-STM-000	Shipboard Stores and Provision Handling, NSTM, Chapter 572; NAVSEA S9086-TL-STM-000	Note 5
NAVSEA S9086-TY-STM-010	Anchoring, NSTM, Chapter 581; NAVSEA S9086-TY-STM-010	Note 5
NAVSEA S9086-UU-STM-010	Wire and Fiber Rope Rigging, NSTM, Chapter 613; NAVSEA S9086-UU-STM-010	Note 5
NAVSEA S9086-V4-STM-000	Laundry, NSTM, Chapter 655; NAVSEA S9086-V4-STM-000	Note 5
NAVSEA S9086-VH-STM-010	Thermal, Fire and Acoustic Insulation, NSTM, Chapter 635; NAVSEA S9086-VH-STM-010	Note 5

NAVSEA S9086-WK-STM-010	Stowage, Handling and Disposal of Hazardous General Use Consumables, NSTM, Chapter 670; NAVSEA S9086-WK-STM-010	Note 5
NAVSEA S9253-AD-MMM-010	Valves, Traps and Orifices, Vol 1, User's Guide and General Information; NAVSEA S9253-AD-MMM-010	Note 5
NAVSEA S9253-AD-MMM-130	Valves, Traps and Orifices, Vol 13, Pressure Reducing Valves, Actuator and Relief Valves; NAVSEA S9253-AD-MMM-130	Note 5
NAVSEA S9312-AH-MMA-010	Submarine Emergency Diesel Generator Set Description, Operation and Maintenance; NAVSEA S9312-AH-MMA-010	Note 5
NAVSEA S9312-AH-MMA-020	Submarine Emergency Diesel Generator Set Troubleshooting, Corrective Maintenance, Parts Breakdown; NAVSEA S9312-AH-MMA-020	Note 5
NAVSEA S9505-AF-MMA-010	Submarine Non-Nuclear Piping Systems Test Manual; NAVSEA S9505-AF-MMA-010	Note 5
NAVSEA S9510-AB-ATM-010	Nuclear-Powered Submarine Atmosphere Control Manual; NAVSEA S9510-AB-ATM-010	Note 5
NAVSEA S9515-AA-MMO-010	Electrolytic Oxygen Generator, 6L16 All Models; NAVSEA S9515-AA-MMO-010	Note 5
NAVSEA S9515-AB-MM0-010	Carbon Dioxide Removal Plant; NAVSEA S9515-AB-MM0-010	Note 5
NAVSEA S9515-AB-MM0-020	Carbon Dioxide Removal Plant Mark III-B; NAVSEA S9515-AB-MM0-020	Note 5
NAVSEA S9515-AS-MMM-010	Maintenance Manual for C0 and H <sub>2</sub> Burner, Mark IV-E, SIZE 500 CFM; NAVSEA S9515-AS-MMM-010	Note 5
NAVSEA S9516-AM-MMA-010	Ship's Stores Refrigeration Plant Duplex Condensing Unit Model 90B3-104-3; NAVSEA S9516-AM-MMA-010	Note 5
NAVSEA S9551-A9-MMM-010	Dehydrator, Desiccant, Semi-Automatic High-Pressure Air, Model 10101-7(U); NAVSEA S9551-A9-MMM-010	Note 5
NAVSEA S9558-AA-MMA-100	Ship's Valves Technical Manual, Chapter 10; NAVSEA S9558-AA-MMA-100	Note 5
NAVSEA S9561-BC-MAN-010	Steering and Diving Control Systems in SSN688 Class Submarines, Grooming Manual; NAVSEA S9561-BC-MAN-010	Note 5
NAVSEA S9SSB-X9-SSM-HG0/(N)726	Potable Water Systems; NAVSEA S9SSB-X9-SSM-HG0/(N)726	Note 9

NAVSEA S9SSN-W4-SSM-DA0	Steering and Diving Systems, SSM 688CLV392C1; NAVSEA S9SSN-W4-SSM-DA0	Note 9
NAVSEA T6530-AA-HBK-010	Submarine Greasing Handbook; NAVSEA T6530-AA-HBK-010	Note 5
NAVSUPP 485 (Chapter 6)	Afloat Supply Procedures; NAVSUPP 485 (Chapter 6)	Note 7
OPNAV MANUAL OP43P6	Metrology Automated System for Uniform Recall and Reporting (MEASURE) User's Manual; OPNAV MANUAL OP43P6	Note 5
OPNAVINST 4441.170	COSAL Maintenance and Use; OPNAVINST 4441.170	Note 8
3-M Manual	Ships' Maintenance and Material Management (3-M) Manual; OPNAVINST 4790.4	Note 8
OPNAVINST 5090.1	Environment and Natural Resources Program Manual; OPNAVINST 5090.1	Note 8
OPNAVINST 5090.1	Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat; OPNAVINST 5090.1	Note 8
OPNAVINST 5100.23	Navy Occupational Safety and Health (NAVOSH 5100.23); OPNAVINST 5100.23	Note 8
OPNAVINST 5102.1	Mishap Investigating and Reporting; OPNAVINST 5102.1	Note 8
OPNAVINST C9210.2	Engineering Department Manual; OPNAVINST C9210.2	Note 12
S-T750-AG-OSM-OO-O	(NAVY DOC NO.) Thermo Unit Part NO 3605-1-1 and 3605-1-101; S-T750-AG-OSM-OO-O	Note 11
SECNAVINST 5215.1	Department of the Navy Directives Issuance; SECNAVINST 5215.1	Note 8
Correspondence Manual	Department of the Navy Correspondence Manual; SECNAVINST 5216.1	Note 8
SPCCINST 4441.170	COSAL Use and Maintenance Manual; SPCCINST 4441.170	Note 13

**MME3**

<b>Short Title</b>	<b>Long Title</b>	<b>Stocking Point</b>
NAVEDTRA 12001	Fireman; SPCCINST 4441.170	Note 5
NAVEDTRA 12014	Blueprint Reading and Sketching; NAVEDTRA 12014	Note 5
NAVEDTRA 12043	Military Requirements, Basic (BMR) NAVEDTRA 12043	Note 5
NAVEDTRA 12044	Military Requirements for Petty Officer Third Class; NAVEDTRA 12044	Note 5
NAVEDTRA 12085	Use and Care of Hand Tools and Measuring Tools; NAVEDTRA 12085	Note 5
NAVEDTRA 12199	Basic Machines; NAVEDTRA 12199	Note 5
NAVEDTRA 12694	Fluid Power; NAVEDTRA 12694	Note 5

**MME2**

<b>Short Title</b>	<b>Long Title</b>	<b>Stocking Point</b>
NAVEDTRA 12043	Military Requirements, Basic (BMR); NAVEDTRA 12043	Note 5
NAVEDTRA 12045	Military Requirements for Petty Officer Second Class; NAVEDTRA 12045	Note 5

**MME1**

<b>Short Title</b>	<b>Long Title</b>	<b>Stocking Point</b>
NAVEDTRA 12046	Military Requirements for Petty Officer First Class; NAVEDTRA 12046	Note 5
CINCLANT/PACFLT 4790.3 VOL I	Joint Fleet Maintenance Manual, New Construction; CINCLANT/PACFLT 4790.3 VOL I	Note 1
CINCLANT/PACFLT 4790.3 VOL II	Joint Fleet Maintenance Manual, Integrated Fleet Maintenance; CINCLANT/PACFLT 4790.3 VOL II	Note 1
CINCLANT/PACFLT 4790.3 VOL III	Joint Fleet Maintenance Manual Deployed Maintenance; CINCLANT/PACFLT 4790.3 VOL III	Note 1

OPNAVINST 4700.8	Trials, Acceptance, Commissioning, Fitting of U.S. Naval Ships Undergoing Construction/ Conversion/Modernization; OPNAVINST 4700.8	Note 8
NAVEDTRA 12147	Engineering Administration; NAVEDTRA 12147	Note 5

## **MMEC**

<b>Short Title</b>	<b>Long Title</b>	<b>Stocking Point</b>
NAVEDTRA 12047	Military Requirements for Chief Petty Officer; NAVEDTRA 12047	Note 5

## **NOTES**

Note 1 – INTERNET – <http://www.submepp.navy.mil/PRODSERV.HTM>

Note 2 – Ltr request to: Commander Submarine Fleet  
U.S. Atlantic Fleet  
7958 Blandy Rd.  
Norfolk, VA 23551-2492

Note 3 – DOD Index of Specifications and Standards Part II (Use DD Form 1425)

Note 4 – PMS Card Deck

Note 5 – To order, MILSTRIP TO NAVICP PHILA (Stk No. from NAVSUP P2002)  
or via INTERNET <http://www.nll.navsup.navy.mil>

Note 6 – NWASTA CORONA, CA

Note 7 – To order, Milstrip to NAVICP PHILA (Stk No. from NAVSUPP 2002), via  
INTERNET <http://www.nll.navsup.navy.mil>, or NAVSUPP-P600(CD-  
ROM)

Note 8 – INTERNET <http://neds.nebt.daps.mil>



Note 9 – Ltr request to: Electric Boat Corporation  
A General Dynamics Company\  
Eastern Point Road  
Groton, Ct. 06340  
Attn: Department 403

Note 10 – Fleet Publications Library CD-ROM:  
Ltr request to: Comanding Officer  
Attn CD-ROM Team Code N911  
NCTAMS Lant  
9625 Moffett Ave  
Norfolk VA 23511-2784

Note 11 – Ltr request to: Commanding Officer  
Naval Ship Weapon Systems Engineering Station  
Naval Sea Data Support Activity (Code 5H00)  
Port Hueneme, CA 93043-5007

Note 12 – Ltr request to: Commander Navy Inventory Control Point  
5450 Carlisle Pike P.O. Box 2020  
Mechanicsburg PA 17055-0788

Note 13 – Ltr request to: Commanding Officer  
Navy Ships Parts Control Center  
5450 Carlisle Pike  
P.O. Box 2020  
Mechanicsburg PA 17055-0788